

Terrace Water Company
DWR Water-Energy Grant Application
Attachment 7 – Disadvantaged Community

The proposed project is located within a census tract designated as a disadvantaged community (DAC). The proposed project will have a direct benefit on this area, which has a CalEnvrioScreen percentile range of 96-100%.

The proposed project will benefit the DAC by improving water quality, increasing fire suppression capabilities, reducing water production, providing human health and environment benefits, and providing financial benefits for Terrace Water Company's (TWC) potable water system and customers.

- Water Quality: Leaks in potable water pipelines have the ability to introduce contaminants such as bacteria to the community's water supply. Replacement of pipeline will ensure that the distribution system is closed off from outside contamination.
- Fire Suppression: Leaks at fire hydrants have the potential to impact the water delivery capabilities of the hydrant during use. Replacement of leaking hydrants will ensure that the community has full fire suppression capabilities.
- Water Production: Removing leaks from TWC's distribution system in its DAC area will reduce overall water production by ensuring that the wells are operated to supply customer demand. Reduced operation will allow greater lifespans for the system's wells and other mechanical systems.
- Human Health and Environment: Reduction in presence of vectors including mosquitos. Prevention of asphalt deterioration from high groundwater. Drought impact reduction by eliminating water losses.
- Financial Benefits: Lower water bills for customers due to reduced maintenance and operation costs.